

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	5	"5769913"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 19:20
L3	68	"3672823"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 19:21
L4	0	422/20.ccls,	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 21:01
L5	273	422/20.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 21:01
S1	64	"3672823"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:15
S2	1	"10522910"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:44
S3	0	S2 and means for	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:44
S4	0	S2 and means	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:46

S5	0	S2 and (means for)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:47
S6	0	S2 and (means)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:47
S7	1	S2 and applying ultrasonic energy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:48
S8	0	S2 and means for applying ultrasonic energy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:50
S9	0	S2 and (means for applying ultrasonic energy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/05 12:50
S10	53	("3672823").URPN.	USPAT	ADJ	ON	2009/11/02 15:17
S11	168	ultrasonic energy and axial position	USPAT	ADJ	ON	2009/11/02 15:36
S12	129	ultrasonic energy and axial position and (fluid or liquid or water)	USPAT	ADJ	ON	2009/11/02 15:37
S13	77	ultrasonic energy and water treatment	USPAT	ADJ	ON	2009/11/02 23:59
S14	13	bubbl\$ air and ammonia removal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/03 10:46
S15	334	bubbl\$ air and ammonia and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/03 10:50

S16	1	bubbl\$ air and dissolved ammonia and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/03 10:50
S17	17	ultrasonic energy and water purification	USPAT	ADJ	ON	2009/11/03 10:52
S18	30	"5198122"	USPAT	ADJ	ON	2009/11/03 10:55
S19	584	ammonia removal	USPAT	ADJ	ON	2009/11/03 10:56
S20	57	ammonia removal and electrode	USPAT	ADJ	ON	2009/11/03 10:56
S21	9	ammonia removal and electrode and air and bubbl\$	USPAT	ADJ	ON	2009/11/03 10:57
S22	2	ammonia removal and electrode and carrier gas	USPAT	ADJ	ON	2009/11/03 11:04
S23	35	ammonia removal and electrode and oxygen	USPAT	ADJ	ON	2009/11/03 11:07
S24	3	ammonia removal and electrode and bubbl\$ oxygen	USPAT	ADJ	ON	2009/11/03 11:07
S25	0	bubbling air near electrode	USPAT	ADJ	ON	2009/11/03 11:49
S26	221	bubbling air and electrode	USPAT	ADJ	ON	2009/11/03 11:49
S27	22	bubbling air same electrode	USPAT	ADJ	ON	2009/11/03 11:49
S28	0	bubbling air through electrode	USPAT	ADJ	ON	2009/11/03 11:55
S29	0	bubbling near air near through nearelectrode	USPAT	ADJ	ON	2009/11/03 11:55
S30	0	bubbling near air near through near electrode	USPAT	ADJ	ON	2009/11/03 11:55
S31	2	bubbling near air near through near (anode or cathode)	USPAT	ADJ	ON	2009/11/03 11:55
S32	2048	gas electrode	USPAT	ADJ	ON	2009/11/03 11:59
S33	13	gas electrode near air	USPAT	ADJ	ON	2009/11/03 11:59
S34	0	ammonia removal near air injection	USPAT	ADJ	ON	2009/11/03 12:02

S35	2	("6736904").URPN.	USPAT	ADJ	ON	2009/11/03 13:12
S36	0	wo0058224	USPAT	ADJ	ON	2009/11/03 13:13
S37	0	wo "0058224"	USPAT	ADJ	ON	2009/11/03 13:13
S38	0	wo "00058224"	USPAT	ADJ	ON	2009/11/03 13:14
S39	94	"4752401"	USPAT	ADJ	ON	2009/11/03 13:16
S40	0	ep0648531	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 09:21
S41	0	ep0648531b1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 09:22
S42	6478	ultra\$sonic device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 09:38
S43	5	"5769913"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 09:44
S44	67	ultra\$sonic device and water treatment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 09:47
S45	2393	ultra\$sonic and water treatment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 09:49
S46	8	ultrasonic water treatment	USPAT	ADJ	ON	2010/06/16 09:56
S47	1	ultrasonic water treatment device	USPAT	ADJ	ON	2010/06/16 09:58
S48	0	ultrasonic water treatment apparatus	USPAT	ADJ	ON	2010/06/16 09:59
S49	0	ultra\$sonic water treatment apparatus	USPAT	ADJ	ON	2010/06/16 09:59

S50	0	ultra\$sonic water purification apparatus	USPAT	ADJ	ON	2010/06/16 09:59
S51	0	ultra\$sonic fluid processing apparatus	USPAT	ADJ	ON	2010/06/16 09:59
S52	0	ultra\$sonic fluid processing device	USPAT	ADJ	ON	2010/06/16 09:59
S53	2	ultra\$sonic fluid processing	USPAT	ADJ	ON	2010/06/16 10:00
S54	0	ultra\$sonic seage	USPAT	ADJ	ON	2010/06/16 10:01
S55	2	ultra\$sonic sewage	USPAT	ADJ	ON	2010/06/16 10:01
S56	4	ultra\$sonic near sewage	USPAT	ADJ	ON	2010/06/16 10:01
S57	55	ultra\$sonic with sewage	USPAT	ADJ	ON	2010/06/16 10:02
S58	200	422/128.ccls.	USPAT	ADJ	ON	2010/06/16 10:03
S59	22	("20040256213"   "4071225"   "4131238"   "4158368"   "4308474"   "4369100"   "4378258"   "4433916"   "4556467"   "4763030"   "4808084"   "5384508"   "5520717"   "5658534"   "5660773"   "6035897"   "6066328"   "6079508"   "6126097"   "6137209"   "6168762"   "6203768").PN. OR ("7504075").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/16 10:08
S60	194	sewage and ultrasonic energy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 12:46

S61	5	"5769913"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/06/16 12:51
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**EAST Search History (Interference)**

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**6/ 16/ 2010 9:02:01 PM****C:\Documents and Settings\callen\My Documents\EAST\Workspaces\10522910.wsp**